

39	87	135 45	183	231	279 93	327	375 125
GCA	CTT	GCC	CAG Q	TGG W	GAA E	AAA K	ACA
CTG L	AAG K	GTG V	CTG	ATT I	TCA	TGG	GCC
TCGAGCCC ATG AGG TGT AGC CCC GGA GGA GTG TGG CTG GCA CTG GCA	GCA TCT CTC CTG CAC GTG TCC CTG CAA GGC GAG TTC CAG AGG AAG A S L L H V S L Q G E F Q R K	CCC	AAT GAC TCG CAA CCA CTC ACC GTC TAC TTC TCC CTG AGC CTC N D S Q P L T V Y F S L S L	GAT GAG AAC CAA GTT TTA ACC ACC AAC ATT D E K N Q V L T T N I	CTG CAA ATG TCT TGG ACA GAT CAC TAT TTA CAG TGG AAT GTG TCA L Q M S W T D H Y L Q W N V S	TAT CCA GGG GTG AAG ACT GTT CGT TTC CCA GAT GGC CAG ATT TGG AAA Y P G V K T V R F P D G Q I W K	CCA GAC ATT CTC TAT AAC AGT GCT GAT GAG CGC TTT GAC GCC ACA P D I L L Y N S A D E R F D A T
CTG	CAG Q	AGG R	AGC	ACC	AAT	CAG	TTT F
TGG W	TTC	GAG E	CTG	ACC	TGG	ე ე	CGC R
GTG V	GAG	${ m TTG}$	TCC	TTA L	CAG	GAT D	GAG
GGA G	3 9	CCC P	TTC	GTT V	TTA L	CCA	GAT D
GGA G	CAA	AAT N	TAC Y	CAA	TAT Y	TTC	GCT
CCC	CTG L	TAC	GTC V	AAC	CAC	CGT R	AGT S
AGC	TCC	AAC	ACC	AAG K	GAT D	GTT V	AAC
TGT	GTG V	AAG K	CTC L	GAG	ACA	ACT	TAT Y
AGG R	CAC	GTC V	CCA	GAT D	TGG	AAG K	CTC
ATG M	CTG L	CTG L	CAA	GTG V	TCT S	GTG	CIT
ລວວຸ	CTC L	GAG	TCG	GAC	ATG	ე ე	ATT I
rcgac	TCT	AAG K	GAC	ATC ATG GAC GTG I M D V	CAA	CCA	GAC
	GCA	TAC Y	AAT N	ATC	CTG	TAT Y	CCA

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423 141	471	519 173	567 189	615 205	663 221	711	759 253	807 269
CTG	TTT F	TAC	၁၅၅	AGG R	ACC	CTG L	CTG L	TTA L
TAC Y	TGG	TCT S	AGT S	AAG K	GTC	AAC N	TTC	GTC
TTC CAC ACT AAC GTG TTG GTG AAT TCT TCT GGG CAT TGC CAG TAC F H T N V L V N S S G H C Q Y	CGC R	CCC TIT GAT GTG CAC TGC AAA CTG AAG TTT GGG TCC TGG TCT P F D V Q H C K L K F G S W S	GGA GGC TGC TTG GAT CTG CAG ATG CAG GAG GCA GAT ATC AGT G G W S L D L Q M Q E A D I S	GGA GAA TGG GAC CTA GTG GGA ATC CCC GGC AAG AGG G E W D L V G I P G K R	AGT GAA AGG TTC TAT GAG TGC TGC AAA GAG CCC TAC CCC GAT GTC ACC S E R F Y E C C K E P Y P D V T	CTC	CTG ATC CCC TGT GTG CTC ATC TCC GCC CTG CTG GTG TTC	ACA
TGC C	GTA V	TCC S	GAT	CCC P	CCC P	ອອວອອ	CTG L	ATA I
CAT H	GAT D	999 9	GCA	ATC	TAC Y	TAT Y	CTG L	999 9
ອ ອອອ	ATC	TTT F	GAG E	GGA G	CCC P	TAC Y	GCC	CTG L
TCT	TAC	AAG K	CAG	GTG V	GAG E	CTC L	CTC	TCC
TCT	TGC	CTG L	ATG M	CTA	AAA K	ACA	GCC	ATT I
AAT	TCC	AAA K	CAG	GAC D	TGC C	AGG R	TCC	AAG K
GTG V	AGT S	TGC C	CTG	TGG W	TGC	CGC R	ATC	GAG
${f TTG}$	AAG K	CAC H	GAT D	GAA E	GAG E	CGC R	CTC	999 9
GTG V	TTC F	CAG Q	$ ext{TTG}$	GGA G	TAT Y	ATG M	GTG V	TCC
AAC	ATA I	GTG V	TCC	AAT N	TTC	ACC	TGT	GAT D
ACT	3 3 3	GAT D	TGG W	TAT ATC CCC AAT Y I P N	AGG R	GTG V	CCC	GCA
CAC H	CCA	TTT F	0 0 0	ATC I	GAA E	ACA T	ATC	CCT
TTC	CCT	CCC	GGA	TAT Y	AGT	TTC	CTG	CTT

903	951	999 333	1047 349	1095 350	1143 366
ATG	TAC Y	GTC V	9 9 9	AGC	AAC
ACC	CAG	AGA R	CCC P	TGC	GAG ATG AGC GCC GCG CCC GCC AGC AAC E M S A V A P P P A S N
AGC	CTG	ACC	AGG R	CGC R	GCC A
GCC	GTG V	TGG	AAG K	CGG R	CCC
TTC	ATC	AAG K	ATG	CAG Q	CCG P
TAC	GTG V	CCC P	CGA R	AAG K	CCG
CAG Q	ACG	ATG M	CTG	CAC	GCG
GCC	GTG V	AAG K	TTC	CAG Q	GTG V
ATA	GTG V	ე ე	TGGW	TGC	GCC
${ m TTG}_{ m L}$	GTG V	ე ე	GCG	GCC	AGC
CCA	TCG	GAC D	TGC	CCG P	ATG
GTA	CTC	CCC P	TGG W	CGC R	GAG
TCG S	0 0 0	GAC	AAC	GTG V	GTG V
GAT D	GTG V	CAC	${ m CTG}_{ m L}$	AAG K	AGT S
TCC	ATC	CAC H	CTT	GAC	CTG GCC AGT GTG L A S V
ACA	ATC	CAC	ATC	GAG	CTG
		თო თო	თო თო თო	9 W 9 W 9 W 9 W 9 W 9 W 9 W 9 W 9 W 9 W	9 8 9 8 9 1 0 1 0 E

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1191	1239 398	1287	1335 430	1383	1431	1479 478	
TGT C	TCC	9 9 9	AAC	AAG K	GTC	TTC	TGG
CAC	TGC	GAG	GCC	TGG W	TCG	AAC	ACATO
C ATC GGC TTC CGC GGC GTG CAC TGT	C TCT GGG GTA GTG TGT GGC CGC ATG GCC TGC D S G V V C G R M A C	G CAC CTC CTG CAC GGG CAA CCC CCC GAG GGG E H L L H G G Q P P E G	ATT	GAG	TIC	CCC P	TCC AAA GAC TIT GCG TAACCACGCCTGGTTCTGTACATGTGG
ອອອ	ATG	CCC P	TAC	AGC	GCC	GCT	3GTT(
GAC	CGC R	CAA	CGC R	TGC	ATG M	TCG	3CCT(
CTG L	9 9	999 9	GTC V	GTC V	CTC	ATG M	CCACC
ອອວອອ	TGT C	ອ ວອອ	GAG	GCG A	TGC	CTG L	TAA(
CGC R	GTG V	CAC H	GAG	GAG	$\operatorname{CTG}_{\mathbf{L}}$	ATC	909
${ m TTC}$	GTA V	CTG L	CTG L	AGC	CGC R	9 9	TTT
ອອວອອ	999 9	CTC	ATC	GAA	GAC	ATC I	GAC
ATC	TCT	CAC H	AAG K	GAC	GTG V	ACC	AAA
	GAC	GAG E	GCC	CAG Q	GTG V	TGC	TCC
CTG L	CCC	GAT D	TTG L	TGC	TGT	ATC I	GTG
CTG L	ACC	CAC	GAC	CGC R	gcc A	ATC	ညည
GGG AAC CTG CTG TA G N L L	CCG ACC CCC GA	CCC ACG CAC GAT GA	GAC CCG GAC TTG GCC AAG ATC CTG GAG GAG GTC CGC TAC ATT GCC AAC D P D L A K I L E E V R Y I A N	CGC TTC CGC TGC CAG GAC GAG GCG GTC TGC AGC GAG TGG AAG	TIC GCC GCC TGT GTG GAC CGC CTG TGC CTC ATG GCC TTC TCG GTC F A A C V V D R L C L M A F S V	TTC ACC ATC TGC ACC ATC GGC ATC CTG ATG TCG GCT CCC AAC TTC F T I I L M S A P N F	GTG GAG GCC GTG
9 9 9	GTC	CCC	GAC	CGC R	TTC	TTC	GTG

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AAAACTCACAGATGGGCAAGCGCTTTGGCTTGGCGAGATTCGGCCGGAA

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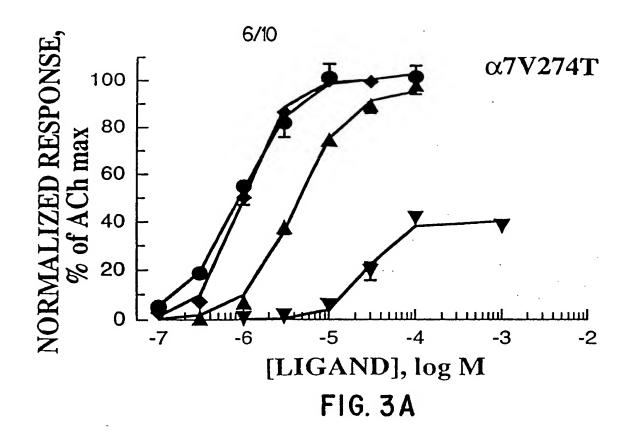
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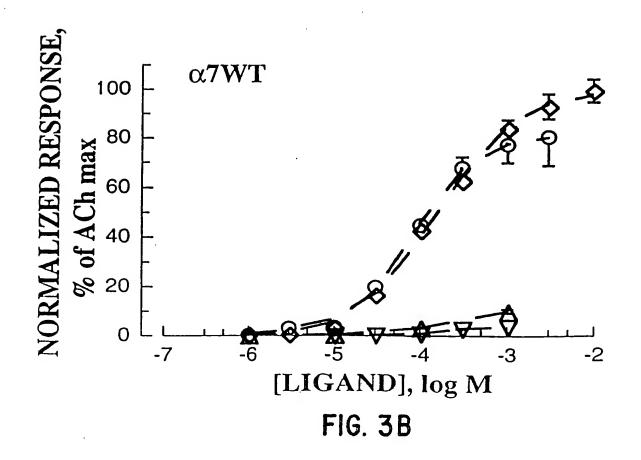
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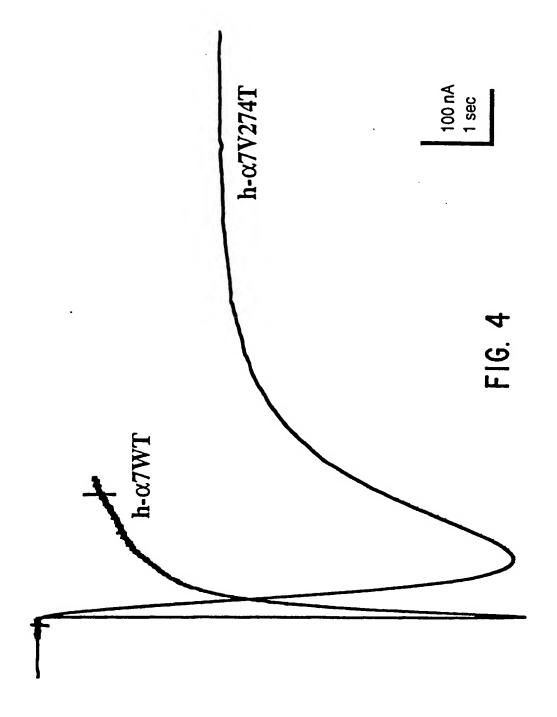
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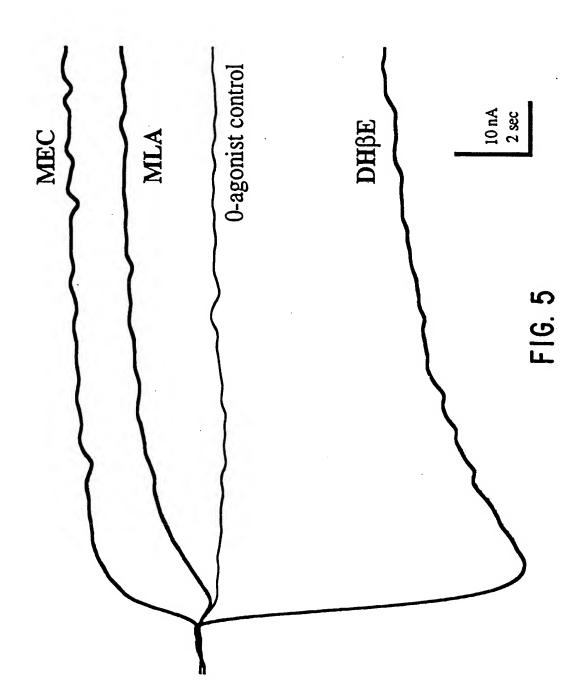
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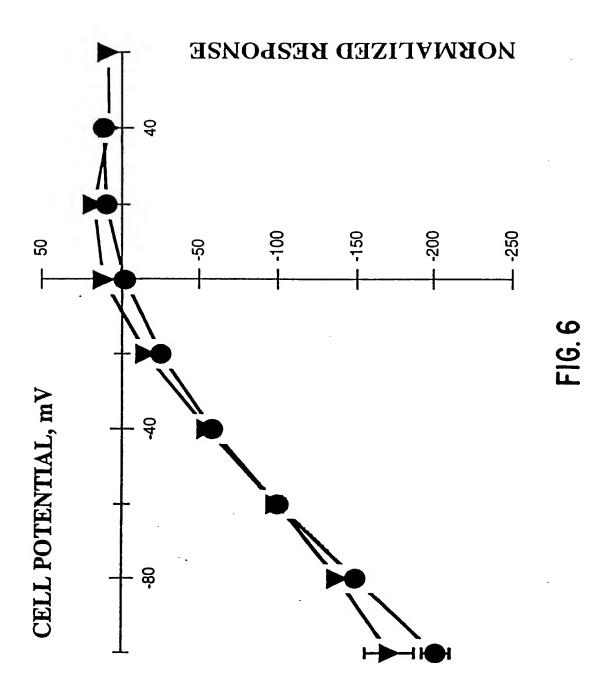
FIG. 2D

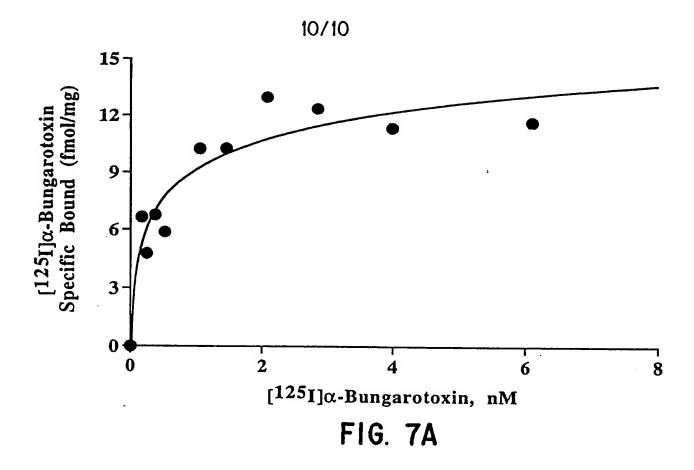












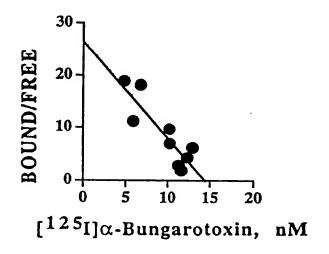


FIG. 7B